

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

Compositence offers solutions for the efficient development and production of components made from continuous fibres. With our patented production system, 2D / 3D preforms / stacks are manufactured directly from continuous fibres (carbon, glass or alternative fibre types) or tapes with a thermoplastic or thermoset matrix.

We offer production systems for depositing the different material classes (dry fibres, thermoplastic tapes and TowPregs); the different systems are controlled with the corresponding software. The software also supports you in production simulation and component design by providing appropriate interfaces. Typical applications are load-bearing, flat components, e.g. in motor vehicles, wind turbines, aviation, mechanical engineering or the sports and leisure industry. In addition to manufacturing systems, we also offer engineering services and the production of preforms and stacks. Our product portfolio includes - Systems for preforming with continuous fibres - Software for simulative component design and production simulation - Prototyping and small series - Preform / stack production

Mollenbachstraße 25
71229 Leonberg
Baden-Württemberg
Germany
www.compositence.com



Organisation type

Small or medium-sized enterprise

Sectors



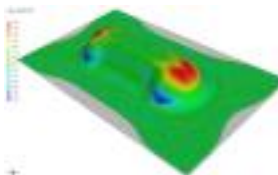
Employees

10 up to 49

Turnover

€2m - €10m

Funding



About this organisation

Main areas covered Automated Tape Placement Machines

Infrastructure AFP - Attachments, Consultation / compacting

Certifications

Keywords Tape Placement, Fibre placement, Stack - Production, Blank - Production, AFP; ATP

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products			
Parts and components, Machines and plants	✓	✓	✓
<i>Services & consulting</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight design, Hybrid structures		✓	✓
Functional integration			
Measuring and testing technology			
Modelling and simulation			
Plant construction & automation Plant construction, Others (Production systems for the automatic deposition of (carbon fibre) tapes.)	✓	✓	✓
Recycling technologies			
Manufacturing process			
Additive manufacturing Others (Tape Placement)	✓	✓	✓
Coating (surface engineering)			
Fibre composite technology Pre-preg processing, Others (Construction of "tailored stacks" using (carbon fibre) tapes.)	✓	✓	✓
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
Fibres Aramid fibres, Basalt fibres, Glass fibres, Carbon fibres, Natural fibres			✓
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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